In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-19. (canceled)

20. (new) A device for producing insulation elements made of mineral wool containing a curable binder from insulation material having a rectangular cross section, comprising:

a conveyor configured to having the insulation material deposited thereon prior to curing; and

a curing oven configured to have the insulation material transported thereto via the conveyor, the curing oven having a molding device therein;

the molding device reducing a cross section of a gap through which the insulation material is transported within the curing oven and compacting the insulation material as it passes therethrough; and

the molding device being configured to provide at least one permanent impression and/or at least one deformation in the insulation material.

21. (new) The device of claim 20, wherein:

the curing oven comprises a tunnel furnace.

22. (new) The device of claim 20, wherein:

the molding device is integrated in a conveyor unit within the curing oven, the conveyor unit comprising at least one first molding element to form the at least one permanent impression and/or at least one deformation, during which process, as a result of contact with a molding surface of the at least one first molding element, the insulation material to be molded assumes a cross-sectional profile that deviates from the rectangular cross section of the insulation material entering the molding device.

23. (new) The device of claim 22, wherein:

the at least one first molding element is configured to contact the insulation material with a pressure contact.

24. (new) The device of claim 22, wherein:

the molding device has at least one second molding element opposite the at least one first molding element.

25. (new) The device of claim 22 wherein:

the at least one molding element comprises at least two molding elements.

26. (new) The device of claim 22, wherein:

the molding device further includes at least one lateral molding element.

27. (new) The device of claim 22, wherein:

the first molding element is formed by a compacting and guiding unit, which, together with the conveyor unit, compacts the insulation material or transports it at an upper side.

28. (new) The device of claim 27, wherein:

the compacting and guiding unit comprises a flight belt.

29. (new) The device of claim 24, wherein:

the first molding element and/or the second molding element are engineered as attachable elements for the conveyor unit or a compacting and guiding unit, which, together with the conveyor unit, compacts the insulation material or transports it at an upper side.

30. (new) The device of claim 29, wherein:

the attachable elements and the conveyor unit are engineered as metal components that have the form of gratings or are provided with ventilation channels.

31. (new) The device of claim 30, wherein:
the components are made of heat-resistant materials.

32. (new) The device of claim 30, wherein:
the components are segmented.

33. (new) The device of claim 29, wherein:
the attachable elements for attachment to the conveyor and/or compacting and guiding unit have quick-release closures.

34. (new) The device of claim 24, wherein:
the first and/or second molding element is arranged such that with respect to a conveying plane of the conveyor unit, its molding surface is inclined about a longitudinal transport axis.

35. (new) The device of claim 20, wherein:
the molding element of the molding device is engineered as an endless loop.

36. (new) The device of claim 35, wherein:
the endless loop includes a plurality of successive segments.

37. (new) The device of claim 20, wherein:
the molding element is engineered such that a differing degree of compaction is obtained over a breadth of the molding surface.

38. (new) The device of claim 20, wherein:
the molding element has a contoured molding surface.

39. (new) The device of claim 38, wherein:
the contoured molding surface comprises an inclined planar surface.

40. (new) The device of claim 38, wherein:
the contoured molding surface comprises grooves and/or projections.

41. (new) A method of producing insulation elements made of mineral wool containing curable binder, comprising:
depositing insulation material on a conveyor;
curing and transporting the insulation material through a curing oven;
subjecting sections of the insulation material to controlled compaction in such a manner that at least one permanent impression and/or deformation is produced in the insulation blanket while the insulation material is curing during its passage through the curing oven.

42. (new) The method of claim 41, wherein:
the curing oven comprises a tunnel furnace.

43. (new) The method of claim 41, wherein:
the mineral wool is rock wool.

44. (new) The method of claim 41, wherein:
the mineral wool is glass wool.

45. (new) The method of claim 41, further including:
providing the insulation material with a non-rectangular cross-sectional profile before or during curing.

46. (new) The method of claim 45, wherein:
the cross-sectional profile comprises at least one depression or projection.

47. (new) The method of claim 46, wherein:

the cross-sectional profile of the insulation element displays two parallel recesses in one surface.

48. (new) The method of claim 41, wherein:

during the step of subjecting sections of the insulation material to controlled compaction, the insulation material is compacted to varying degrees, whereby a density within the insulation elements varies accordingly.

49. (new) An insulation element comprising:

mineral wool having a non-rectangular cross-sectional profile and having areas of different density.

50. (new) The insulation element of claim 49, wherein:

the mineral wool varies in height over the cross-sectional profile.

51. (new) The insulation element of claim 49, wherein:

the insulation element has a higher density in thinner areas than in thicker areas.

52. (new) The insulation element of claim 49, wherein:

the cross-sectional profile of the insulation element displays, in one surface, two parallel recesses in an area of which the density is higher than in very thick areas.